From the INTERNATIONAL SEARCHING AUTHORITY

To:

PCT

NOTIFICATION OF TRANSMITTAL OF

BAE SYSTEMS PLC Intellectual Property Department PO Box 87, Lancaster House Farnborough Aerospace Centre Farnborough, Hampshire, GU14 6YU UNITED KINGDOM	THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION
	(PCT Rule 44.1)
	Date of mailing (day/month/year) 28/01/2005
Applicant's or agent's file reference XA1842	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/GB2004/004349	International filing date (day/month/year) 14/10/2004
Applicant	
BAE SYSTEMS PLC	
Authority have been established and are transmitted netework. Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim When? The time limit for filing such amendments is norr International Search Report; however, for more Where? Directly to the International Bureau of WIPO, 34 1211 Geneva 20, Switzerland, Fa For more detailed instructions, see the notes on the accordance of the international search Article 17(2)(a) to that effect and the written opinion of the international search article 17(2)(a) to the protest against payment of (an) addition	ns of the International Application (see Rule 46): mally 2 months from the date of transmittal of the details, see the notes on the accompanying sheet. chemin des Colombettes scimile No.: (41–22) 740.14.35 mpanying sheet. report will be established and that the declaration under iternational Searching Authority are transmitted herewith. nal fee(s) under Rule 40.2, the applicant is notified that: in transmitted to the International Bureau together with the test and the decision thereon to the designated Offices.
4. Reminders Shortly after the expiration of 18 months from the priority date, the international Bureau. If the applicant wishes to avoid or postpone application, or of the priority claim, must reach the International Bubefore the completion of the technical preparations for international The applicant may submit comments on an informal basis on the International Bureau. The International Bureau will send a copy of international preliminary examination report has been or is to be the public but not before the expiration of 30 months from the priority date, but only in respect of som examination must be filed if the applicant wishes to postpone the date (in some Offices even later); otherwise, the applicant must, we acts for entry into the national phase before those designated Office in respect of other designated Offices, the time limit of 30 months months. See the Annex to Form PCT/IB/301 and, for details about the applicant and the second of the control of the second of the control of the co	ureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, all publication. written opinion of the International Searching Authority to the such comments to all designated Offices unless an stablished. These comments would also be made available to rity date. The designated Offices, a demand for international preliminary entry into the national phase until 30 months from the priority within 20 months from the priority date, perform the prescribed ces. To later) will apply even if no demand is filed within 19
Guide, Volume II, National Chapters and the WIPO Internet site.	

Name and mailing address of the Int	emational Searching Authority
European Patent Office	

Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Authorized officer

Ka-Bo Chan

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international polication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been lis filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What decuments must/may accompany the amendments?

Latter (Section 205(b)):

The amendments must be aubmitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, it the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

Motes to Form PCT/ISA/220 (first sheet) (January 1994)

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The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers;
 claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
 Claims 1 to 15 replaced by amended claims 1 to 11.
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
 "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

it must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filled.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

Notes to Form PCT/ISA/220 (second sheet) (January 1994)

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(PCT Article 18 and Rules 43 and 44)

International application No. PCT/GB2004/004349 International filling date (day/month/year) 17/10/2003 International application No. International application No. International application No. International search Report has been prepared by this international Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Search Report consists of a total of	Applicant's or agent's file reference	FOR FURTHER ACTION as w	see Form PCT/ISA/220 vell as, where applicable, item 5 below.
Applicant BAE SYSTEMS PLC This International Search Report has been prepared by this international Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the international Bureau. This International Search Report consists of a total of sheets. X It is also accompanied by a copy of each prior art document cited in this report. 1. Basis of the report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. The international search was carried out on the basis of a translation of the international application furnished to this Authority (Pule 23. (b)). With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I. Certain claims were found unsearchable (See Box II). 3. Unity of invention is lacking (see Box III). 4. With regard to the title, The text is approved as submitted by the applicant. the text has been established by this Authority to read as follows: 5. With regard to the abstract, The text is approved as submitted by the applicant. the text has been established by the applicant of the international search report, submit comments to this Authority. 6. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No as suggested by this Authority, because the applicant failed to suggest a figure, as estenced by this Authority, because this figure better characterizes the invention.	International application No.		(Earliest) Priority Date (day/month/year)
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Form PCT/ISA/210 (first sheet) (January 2004)

International Application No GB2004/004349

A. CLASSIFICATION OF SUBJECT IPC 7 H04B10/10

G02B5/126

G02F1/03

H04B10/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

HO4B GO2B GO2F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

	ENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
ategory °	Citation of document, with indication, where appropriate, of the relevant passages	
	US 4 134 008 A (DE CORLIEU GUY ET AL)	1-5,
	9 January 1979 (1979-01-09)	10-14, 33,34,36
	column 2, line 59 - column 4, line 42	00,00,00
	column 4, line 60 - line 63	
	figures 1,9	
(US 5 424 737 A (LINDELL KEVIN W)	1-5,8,9,
	13 June 1995 (1995-06-13)	13-15, 33,34,36
	column 7, line 17 - line 55	
	figures 2,3	
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X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filing date	 *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filling date but later than the priority date claimed 	 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. '&' document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
20 January 2005	28/01/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax. (+31-70) 340-3016	Authorized officer Schenke, C

International Application No
GB2004/004349

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
Category *	Citation of document, with indication, where appropriate, of the relevant passages	
Y	US 6 624 916 B1 (MORRISON EUAN ET AL) 23 September 2003 (2003-09-23) cited in the application column 11, line 10 - column 12, line 39 column 12, line 55 - line 66 figure 14c.	1-7,9, 13,14, 16-36
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	column 2, line 4 - line 20 column 3, line 64 - column 4, line 15 figure 2	
Y	PATENT ABSTRACTS OF JAPAN vol. 016, no. 489 (P-1433), 9 October 1992 (1992-10-09) -& JP 04 175725 A (TOYOTA MOTOR CORP), 23 June 1992 (1992-06-23) abstract figures 2,3	6,7, 16-32
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electronation on patent family members

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